

## 特許協力条約に基づく国際出願願書

紙面による写し(注意:電子データが原本となります)

0	受理官庁記入欄	
0-1	国際出願番号	
0-2	国際出願日	
0-3	(受付印)	
0-4	様式-PCT/RO/101 この特許協力条約に基づく国際出願願書は、	
0-4-1	右記によって作成された。	JPO-PAS 0322
0-5	申立て 出願人は、この国際出願が特許協力条約に従って処理されることを請求する。	
0-6	出願人によって指定された受理官庁	日本国特許庁 (RO/JP)
0-7	出願人又は代理人の書類記号	FM-905
I	発明の名称	光学活性フルオロ化合物の製造方法
II	出願人	
II-1	この欄に記載した者は	出願人である (applicant only)
II-2	右の指定国についての出願人である。	米国を除く全ての指定国 (all designated States except US)
II-4ja	名称	三菱瓦斯化学株式会社
II-4en	Name:	MITSUBISHI GAS CHEMICAL COMPANY, INC.
II-5ja	あて名	1008324 日本国
II-5en	Address:	東京都千代田区丸の内二丁目5番2号 5-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008324 Japan
II-6	国籍(国名)	日本国 JP
II-7	住所(国名)	日本国 JP
II-11	出願人登録番号	000004466

## 特許協力条約に基づく国際出願願書

紙面による写し(注意:電子データが原本となります)

III-1	その他の出願人又は発明者	出願人及び発明者である (applicant and inventor) 米国のみ (US only) 原 正治 HARA, Shoji 0600813 日本国 北海道札幌市北区北 1 3 条西 8 丁目 Nishi 8-chome, Kita 13-jyo, Kita-ku, Sapporo-shi, Hokkaido 0600813 Japan 日本国 JP 日本国 JP
III-1-1	この欄に記載した者は	
III-1-2	右の指定国についての出願人である。	
III-1-4ja	氏名(姓名)	
III-1-4en	Name (LAST, First):	
III-1-5ja	あて名	
III-1-5en	Address:	
III-1-6	国籍(国名)	
III-1-7	住所(国名)	
III-2	その他の出願人又は発明者	
III-2-1	この欄に記載した者は	
III-2-2	右の指定国についての出願人である。	
III-2-4ja	氏名(姓名)	
III-2-4en	Name (LAST, First):	
III-2-5ja	あて名	
III-2-5en	Address:	
III-2-6	国籍(国名)	
III-2-7	住所(国名)	

## 特許協力条約に基づく国際出願願書

紙面による写し(注意:電子データが原本となります)

IV-1	代理人又は共通の代表者、通知のあて名 下記の者は国際機関において右記のごとく 出願人のために行動する。	代理人 (agent)	
IV-1-1a	氏名(姓名)	大谷 保	
IV-1-1en	Name (LAST, First):	OHTANI, Tamotsu	
IV-1-2a	あて名	1050001 日本国 東京都港区虎ノ門三丁目25番2号 ブリヂストン虎 ノ門ビル6階 大谷特許事務所	
IV-1-2en	Address:	OHTANI PATENT OFFICE, Bridgestone Toranomon Bldg. 6F., 25-2, Toranomon 3-chome, Minato-ku, Tokyo 1050001 Japan	
IV-1-3	電話番号	03-3459-1291	
IV-1-4	ファクシミリ番号	03-3459-1582	
IV-1-5	電子メール	ohtanip@mb.infoweb.ne.jp	
IV-1-6	代理人登録番号	100078732	
V	国の指定		
V-1	この願書を用いてされた国際出願は、規則 4.9(a)に基づき、国際出願の時点で拘束さ れる全てのPCT締約国を指定し、取得しうる あらゆる種類の保護を求め、及び該当する 場合には広域と国内特許の両方を求める 国際出願となる。		
VI-1	先の国内出願に基づく優先権主張		
VI-1-1	出願日	2004年 03月 04日 (04.03.2004)	
VI-1-2	出願番号	2004-061202	
VI-1-3	国名	日本国 JP	
VII-1	特定された国際調査機関(ISA)	日本国特許庁 (ISA/JP)	
VIII	申立て	申立て数	
VIII-1	発明者の特定に関する申立て	-	
VIII-2	出願し及び特許を与えられる国際出願日 における出願人の資格に関する申立て	-	
VIII-3	先の出願の優先権を主張する国際出願日 における出願人の資格に関する申立て	-	
VIII-4	発明者である旨の申立て(米国を指定国と する場合)	-	
VIII-5	不利にならない開示又は新規性喪失の例 外に関する申立て	-	
IX	照合欄	用紙の枚数	添付された電子データ
IX-1	願書(申立てを含む)	4	✓
IX-2	明細書	13	✓
IX-3	請求の範囲	2	✓
IX-4	要約	1	✓
IX-5	図面	0	✓
IX-7	合計	20	

## 特許協力条約に基づく国際出願願書

紙面による写し(注意:電子データが原本となります)

	添付書類	添付	添付された電子データ
IX-8	手数料計算用紙	-	✓
IX-17	PCT-SAFE 電子出願	-	-
IX-19	要約書とともに提示する図の番号		
IX-20	国際出願の使用言語名	日本語	
X-1	出願人、代理人又は代表者の記名押印	/100078732/	
X-1-1	氏名(姓名)	大谷 保	
X-1-2	署名者の氏名		
X-1-3	権限		

## 受理官庁記入欄

10-1	国際出願として提出された書類の実際の受理の日	
10-2	図面	
10-2-1	受理された	
10-2-2	不足図面がある	
10-3	国際出願として提出された書類を補完する書類又は図面であってその後期間内に提出されたものの実際の受理の日(訂正日)	
10-4	特許協力条約第11条(2)に基づく必要な補完の期間内の受理の日	
10-5	出願人により特定された国際調査機関	ISA/JP
10-6	調査手数料未払いにつき、国際調査機関に調査用写しを送付していない	

## 国際事務局記入欄

11-1	記録原本の受理の日	
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From the INTERNATIONAL BUREAU

**PCT**NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

To:

OHTANI, Tamotsu  
Ohtani Patent Office  
Bridgestone Toranomon Bldg. 6F.  
25-2, Toranomon 3-chome  
Minato-ku, Tokyo 1050001  
JAPON

Date of mailing (day/month/year) 03 June 2005 (03.06.2005)	<b>IMPORTANT NOTIFICATION</b>
Applicant's or agent's file reference FM-905	
International application No. PCT/JP05/003480	
International publication date (day/month/year)	
	International filing date (day/month/year) 02 March 2005 (02.03.2005)
	Priority date (day/month/year) 04 March 2004 (04.03.2004)
Applicant MITSUBISHI GAS CHEMICAL COMPANY, INC. et al	

- By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- (If applicable)* The letters "NR" appearing in the right-hand column denote a priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- (If applicable)* An asterisk (\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b) (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as the priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
04 March 2004 (04.03.2004)	2004-061202	JP	07 April 2005 (07.04.2005)

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

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From the INTERNATIONAL BUREAU

**PCT**

FIRST NOTICE INFORMING THE APPLICANT OF  
THE COMMUNICATION OF THE INTERNATIONAL  
APPLICATION (TO DESIGNATED OFFICES WHICH  
DO NOT APPLY THE 30 MONTH TIME LIMIT  
UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

OHTANI, Tamotsu  
Ohtani Patent Office  
Bridgestone Toranomon Bldg. 6F.  
25-2, Toranomon 3-chome  
Minato-ku, Tokyo 1050001  
JAPON

Date of mailing (day/month/year)

06 October 2005 (06.10.2005)

Applicant's or agent's file reference  
FM-905**IMPORTANT NOTICE**International application No.  
PCT/JP2005/003480International filing date (day/month/year)  
02 March 2005 (02.03.2005)Priority date (day/month/year)  
04 March 2004 (04.03.2004)

Applicant

MITSUBISHI GAS CHEMICAL COMPANY, INC. et al

1. **ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does apply**, please see Form PCT/IB/308(Second and Supplementary Notice) (to be issued promptly after the expiration of 28 months from the priority date).

2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:  
15 September 2005 (15.09.2005)

CH

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1 :

LU, SE, TZ, UG, ZM

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

**4. TIME LIMITS for entry into the national phase**

For the designated Office(s) listed above, and unless a demand for international preliminary examination has been filed before the expiration of **19 months** from the priority date (see Article 39(1)), the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **20 MONTHS** from the priority date.

In practice, time limits other than the 20-month time limit will continue to apply, for various periods of time, in respect of certain of the designated Offices listed above. For regular updates on the applicable time limits (20 or 21 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 70 10

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/003480

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.<sup>7</sup> C07C67/00, 27/02, 31/38, 69/76, 69/92, C07D317/24, 317/22,  
C07B53/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.<sup>7</sup> C07C67/00, 27/02, 31/38, 69/76, 69/92, C07D317/24, 317/22,  
C07B53/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CA (STN), REGISTRY (STN)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 3-184929 A (Kanto Chemical Co., Inc.), 12 August, 1991 (12.08.91), Pages 2 to 5 (Family: none)	1-4
A	JP 1-228927 A (The Institute of Physical and Chemical Research), 12 September, 1989 (12.09.89), Pages 2 to 3 (Family: none)	1-4
A	JP 4-234333 A (Bayer AG.), 24 August, 1992 (24.08.92), Pages 2 to 3 & US 5276218 A                      & EP 468308 A2	1-4

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
10 May, 2005 (10.05.05)

Date of mailing of the international search report  
24 May, 2005 (24.05.05)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.